

ABSTRACT

It is a task of the present invention to provide a polymerizer device and a polymerizer system which enable the production, by melt transesterification, of a high quality, high performance aromatic polycarbonate (which is colorless and has excellent mechanical properties) from a molten aromatic polycarbonate prepolymer obtained by reacting an aromatic dihydroxy compound with a diaryl carbonate, wherein the polycarbonate can be stably produced on a commercial scale at 1 to 50 t/hr for a long time. In the present invention, this task has been accomplished by a guide-wetting fall polymerizer device (in which a molten prepolymer is allowed to fall along and in contact with a guide, thereby effecting polymerization of the prepolymer) having a specific structure and a polymerizer system comprising such devices. That is, the device and the system have enabled the stable production of a high quality, high performance aromatic polycarbonate as mentioned above at 1 to 50 t/hr for a long time (more than several thousand hours, e.g., as long as 5,000 hours) without fluctuation of the molecular weight thereof.